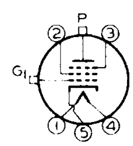
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SUPER-CONTROL R-F AMPLIFIER PENTODE

ACORN TYPE

Especially for wavelengths as short as 0.7 meter

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances:		
Grid to Plate●	0.007 max.	μμf
Input	3.4	μμf
Output	3.0	μμf
Overall Length		1-11/16" ± 3/16"
Overall Diameter		1-3/32" ± 1/16"
Bulb	*See Outline in GENERAL SECTION*	T-4½
End Terminals		Two
Base		Small Radial 5-Pin ◄
Pin 1 - Heater		Pin 5 - Cathode
Pin 2 - Grid No.2		P - Plate
Pin 3 - Grid No.3		G_1 - Grid No.1
Pin 4 - Heater		
RCA Socket		Stock No.9925
RCA Grid & Plate Clips		Stock No.9939
Mounting Position		Any



P is on Long Part of Bulb: Top
G_1 is on Short Part of Bulb: Bottom
BOTTOM VIEW (5BB)

Maximum and Minimum Ratings Are Design-Center Values

AMPLIFIER

D-C Plate Voltage	250 max.	volts
D-C Screen (Grid No.2) Voltage	100 max.	volts
Grid (No.1) Voltage	-3 min.	volts
Plate Dissipation	1.7 max.	watts
Screen Dissipation	0.3 max.	watt
D-C Heater-Cathode Potential	80 max.	volts ◄
Characteristics— Class A_1 Amplifier:		
D-C Plate Voltage	250	volts
Suppressor (Grid No.3)	Connected to cathode at socket	
D-C Screen Voltage	100	volts
D-C Grid (No.1) Voltage*	-3	volts
Plate Resistance	0.7 approx.	megohm
Transconductance	1800	μmhos
Grid Bias for Transcond. of approx. 2 μmhos	-45	volts
D-C Plate Current	6.7	ma.
D-C Screen Current	2.7	ma.

MIXER — In Superheterodyne Circuit

D-C Plate Voltage		250 max.	volts
D-C Screen Voltage		100 max.	volts
D-C Heater-Cathode Potential		80 max.	volts ◄
Typical Operation:			
D-C Plate Voltage	100	250	volts
Suppressor	Connected to cathode at socket		
D-C Screen Voltage	100	100	volts
D-C Grid Voltage	-10	-10 approx.	volts

The grid bias shown is minimum for an oscillator peak voltage of 9 volts. These values are optimum. ◄

●,* :See next page.

◄— Indicates a change.

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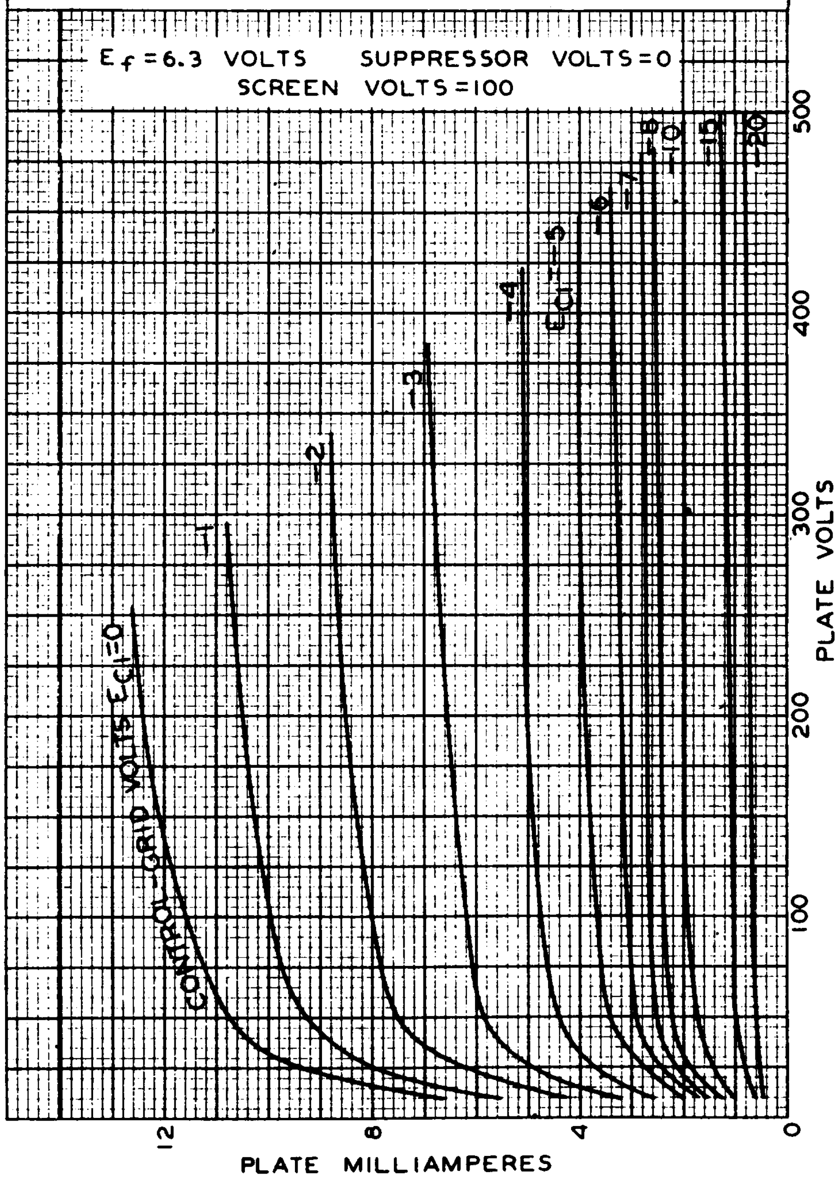
SUPER-CONTROL R-F AMPLIFIER PENTODE

(continued from preceding page)

● With shield baffle.
* Under maximum rated conditions, the resistance in the grid circuit should not exceed 0.5 megohm with fixed bias, or 1.0 megohm with cathode bias.

Typical R-F Amplifier Circuit for the 956 is the same as that for Type 954.

AVERAGE PLATE CHARACTERISTICS



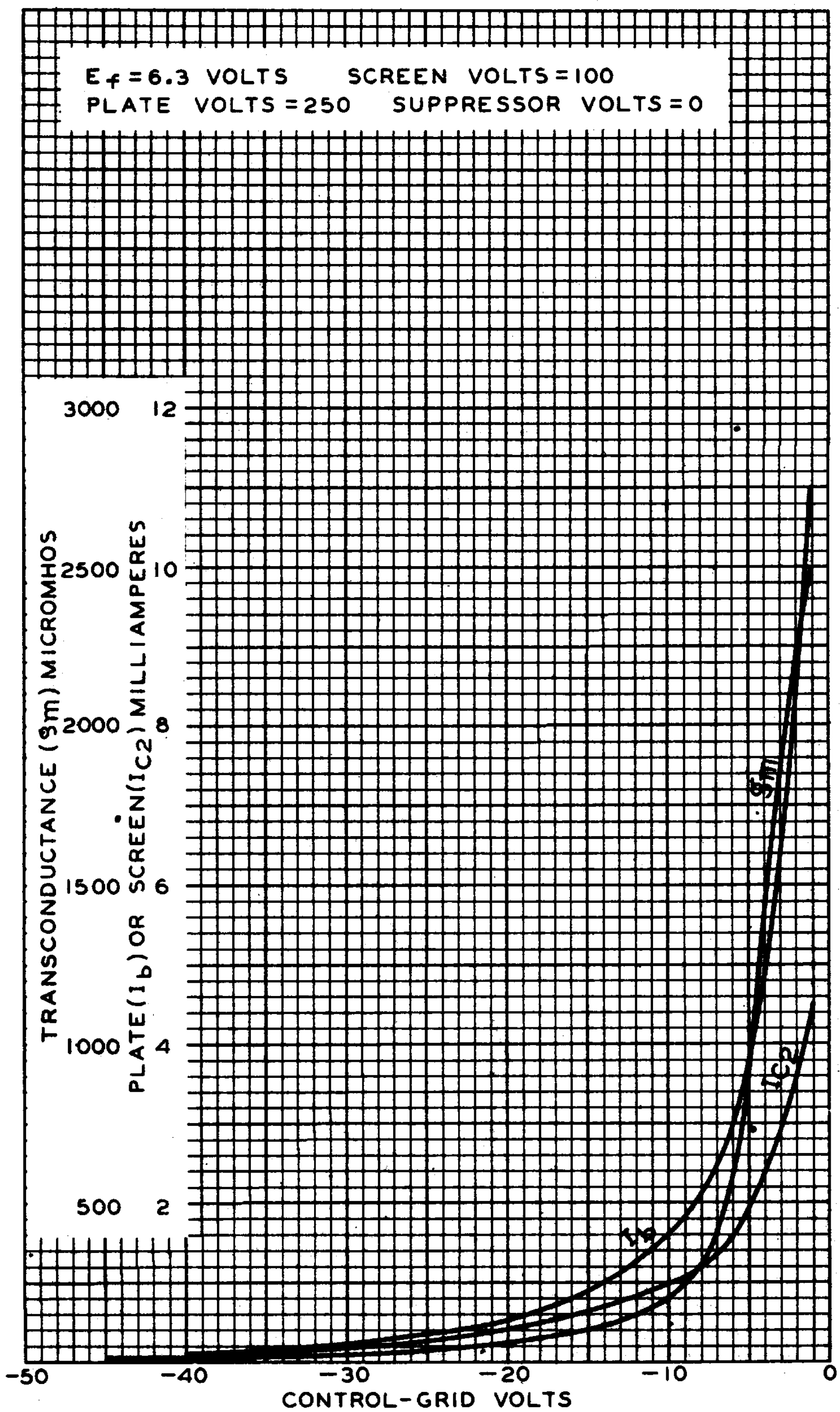
JUNE 30, 1944

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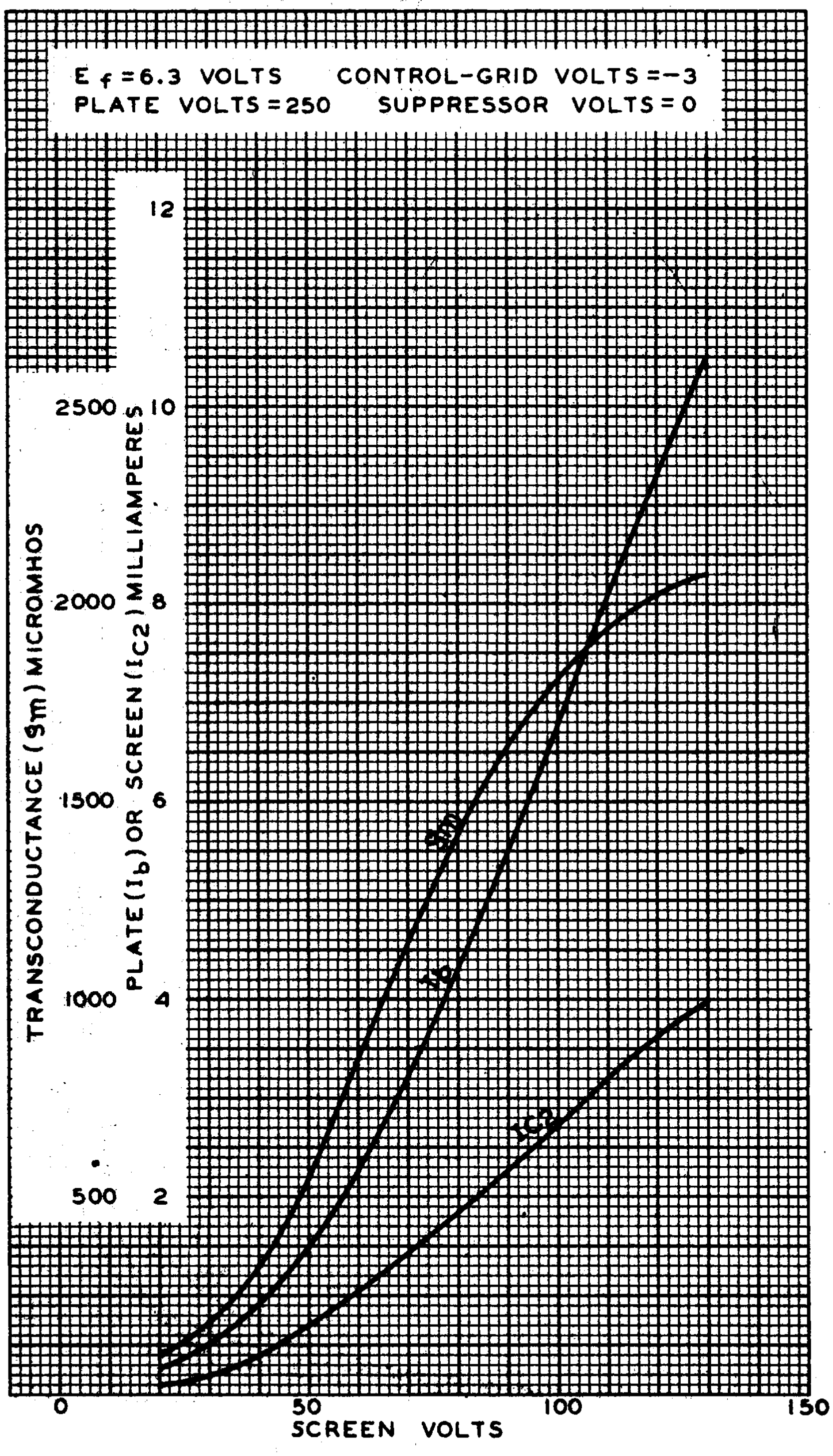
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AVERAGE CHARACTERISTICS



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AVERAGE CHARACTERISTICS



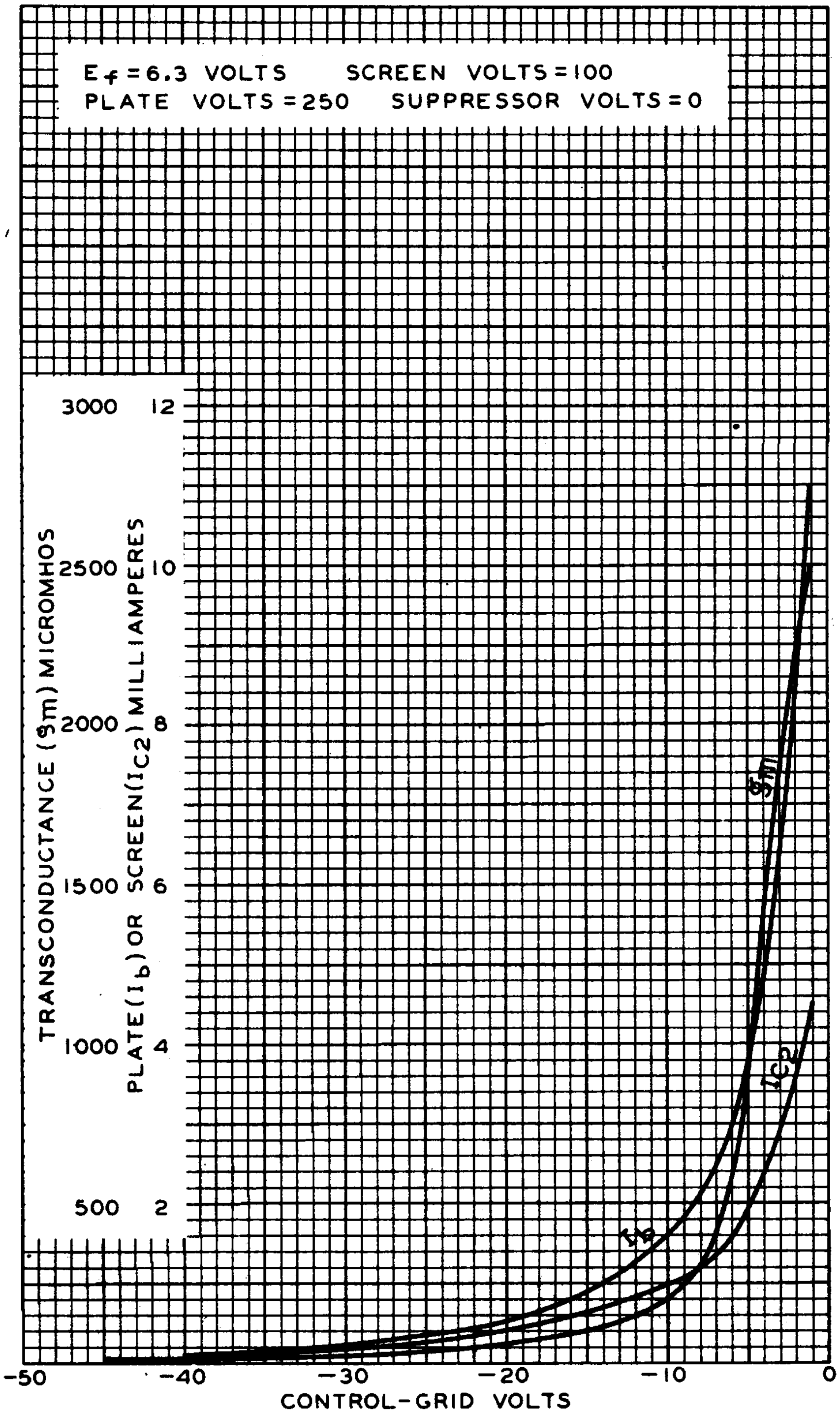
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AVERAGE CHARACTERISTICS



MAY 13, 1941

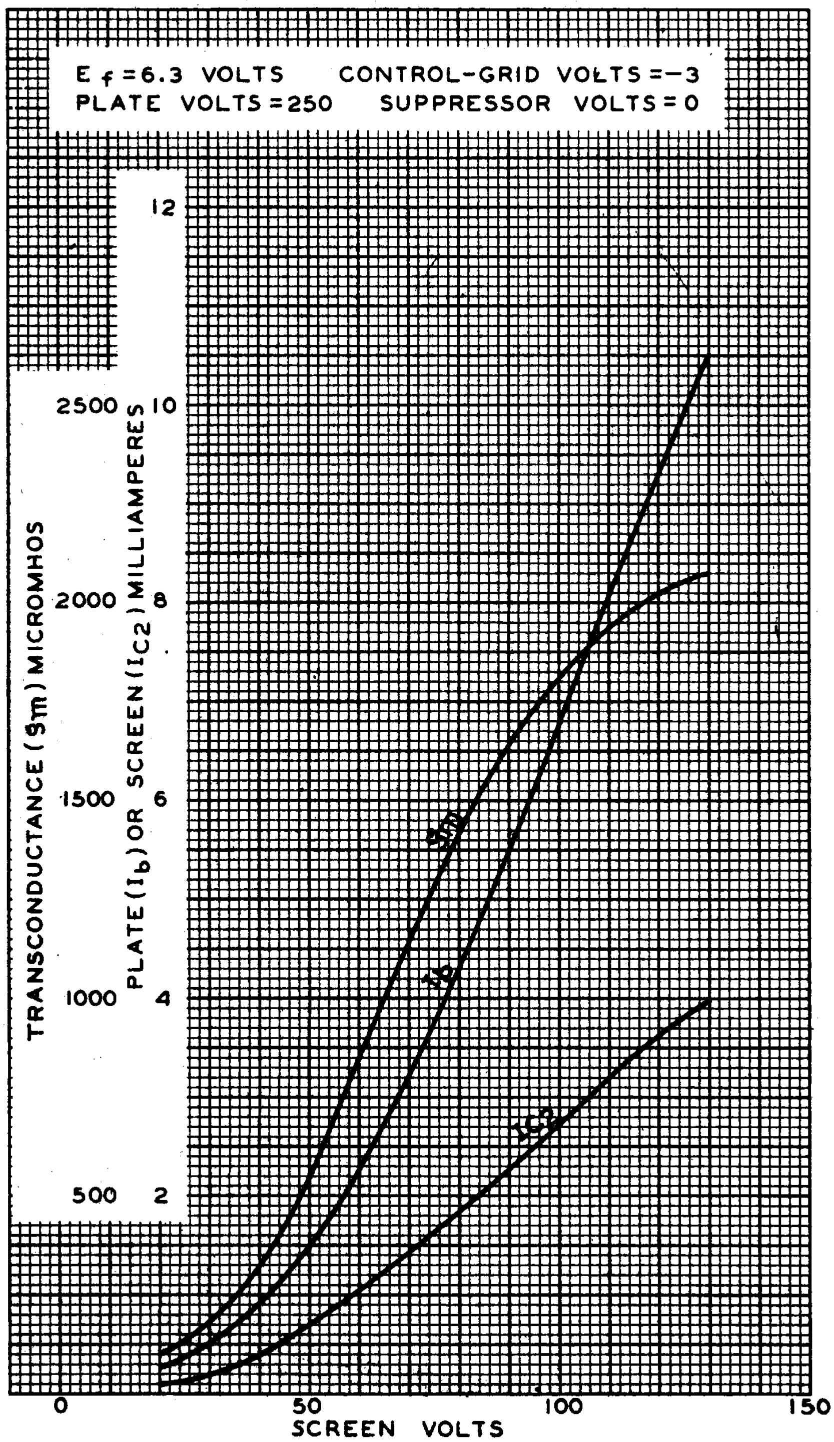
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AVERAGE CHARACTERISTICS



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